

**In the claims:****1-14. (Withdrawn)**

**15. (Currently Amended)** A method of resisting corrosion of metals in a concrete structure comprising,

creating in a slurry containing at least one compound capable of sequestering chloride ions selected from the group consisting of

$3\text{Me(II)}\text{O}\cdot\text{R}_2\text{O}_3\cdot\text{Me(II)}(\text{anion})_2\cdot n\text{H}_2\text{O}$  where  $n = 0$  to 24 and

$3\text{Me(II)}\text{O}\cdot\text{R}_2\text{O}_3\cdot\text{Me(II)}(\text{anion})\cdot n\text{H}_2\text{O}$  where  $n = 0$  to 18,

where Me(II) is one or more divalent cations selected from the group consisting of Ca, Ba, Sr, Mn and Zn;  $\text{R}_2$  is  $\text{Al}_2$ ,  $\text{Fe}_2$  or  $\text{Cr}_2$ ; and

anion is  $\text{NO}_2$ ,  $\text{NO}_3$ ,  $\text{CO}_3$ ,  $\text{BO}_4$  or  $\text{OH}$ , but when Me(II) is Ca,  $\text{R}_2$  is not  $\text{Al}_2$ ,

positioning said slurry adjacent to said concrete structure, and sequestering chloride ions in said compound.

**16. (Original)** The method of Claim 15 including

creating an overlay on said concrete structure with said slurry and allowing said slurry to set.

**17. (Original)** The method of Claim 15 including

securing said overlay to said concrete structure to permit chloride ion exchange therebetween.

**18. (Currently Amended)** The method of Claim 17 including

applying a preformed panel over said ~~slurry~~ overlay.

**19. (Currently Amended)** The method of Claim 8-18 including

providing said preformed panel with lower porosity than said slurry layer.

**In the claims cont'd:**

**20. (Original)** The method of Claim 16 including  
employing in said slurry at least one material selected from the  
group consisting of  $\text{NaAlO}_4$ ,  $\text{Ca}(\text{NO}_2)_2$  and  $\text{NaNO}_2$ .

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**21. (Currently Amended)** The method of Claim ~~20~~ 16 including  
employing  $\text{Ca}(\text{OH})_2$  in said compound.

**22. (Original)** The method of Claim 16 including  
employing in said compound an aluminum constituent selected  
from the group consisting of alumina, aluminate and alumina hydroxide.

**23. (Original)** The method of Claim 22 including  
employing in said source of aluminum a material other than  
 $\text{CaO} \cdot \text{Al}_2\text{O}_3$  and  $3\text{CaO} \cdot \text{Al}_2\text{O}_3$ .

**24. (Original)** The method of Claim 16 including  
employing as said compound a compound capable of  
establishing a corrosion resistant oxide layer on embedded metal elements.

**25. (Original)** The method of Claim 16 including  
employing a nitrite-containing compound as said compound.

**26. (Currently Amended)** The method of Claim 16 including  
employing as said compound a compound selected from the  
group consisting of

$3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_2)_2 \cdot n\text{H}_2\text{O}$ ;  $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_3)_2 \cdot n\text{H}_2\text{O}$ ;  
 $3\text{CaO} \cdot \text{Fe}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_2)_2 \cdot n\text{H}_2\text{O}$ ; and  $3\text{CaO} \cdot \text{Fe}_2\text{O}_3 \cdot \text{Ca}(\text{NO}_3)_2 \cdot n\text{H}_2\text{O}$ ;  
wherein  $n = 0$  to 24.

**In the claims cont'd:**

**27. (Original)** A method of resisting corrosion of metals in a concrete structure comprising

creating a solution containing a soluble source of alumina and a material selected from the group consisting of  $\text{Ca}(\text{NO}_2)_2$  and  $\text{NaNO}_2$ ,  
causing said source of alumina and said materials selected from the group to react with each other and with  $\text{Ca}(\text{OH})_2$  contained in the concrete structure to create a chloride sequestering compound, and  
effecting said sequestration of chloride ions by said compound in said concrete structure.

**28. (Original)** The method of Claim 27 including  
effecting said introduction of said solution under pressure.

**29. (Original)** The method of Claim 27 including  
employing capillary suction to introduce said solution into said  
concrete structure.

**30. (Original)** The method of Claim 27 including  
 effecting by said reaction liberation of nitrite ions which serve  
 to effect creation of an oxide protective layer on said metals.

**31. (Original)** The method of Claim 30 including  
said metals being metal reinforcing elements contained within  
said concrete.